Index of Claims

Application/Control No.

10/536,760 Examiner

Russell Frejd

Applicant(s)/Patent under Reexamination

ALTPETER ET AL.

Art Unit

2128

| √ | Rejected |
|---|----------|
| = | Allowed |

(Through numeral) Cancelled Restricted

Non-Elected N Interference

Appeal Α 0 Objected

| Claim | | | _ | | | | | • | | | | | | | | | | | | | | | | | | |
|---|----------|-----------|------------|----------|----------|--|----------|--|--|----------|----------|------------|----------|-----------------|----------|---------------|---|----------|----------|-----------------|----------|----------|----------|--------------|---|---|
| T | Cla | aim | n Date | | | | | | Claim Date | | | | Claim | | | | | | | | | | | | | |
| 102 103 104 104 104 105 105 105 106 106 106 106 107 | Final | Original | M(9/57 | | | | | | | | | Final | Original | | | | | | | | | Final | Original | | | |
| 103 | | 7 | 1 | | | | T | I | | | | | 51 | T | | | | | | | \neg | | | | | Γ |
| \$ 104 105 105 106 107 107 108 109 109 109 110 111 112 112 112 113 114 115 116 117 117 118 118 118 118 118 118 118 118 118 118 118 119 119 119 120 | | 2 | | | | | | | | | | | | | | | | | | | | | | | | L |
| \$ 105 106 107 108 108 109 109 109 110 110 111 112 112 113 114 115 116 1 117 116 116 116 116 116 116 116 117 118 118 118 119 120 120 120 121 121 122 123 123 134 134 135 135 136 136 137 13 | | 3 | | | | | | | | | | | | | | | \perp | | | | | | | | | L |
| 6 | | 4_ | | | | | | | | | | | | | | | | \perp | Ш | \perp | ╝ | - | | <u> </u> | L | L |
| 107 108 109 109 110 110 110 110 110 110 111 112 112 112 113 114 115 116 117 117 118 118 118 118 119 119 119 119 120 120 121 121 122 122 122 122 122 122 122 122 123 123 124 124 125 126 126 126 126 126 126 130 131 | | \$ | | | | | | | | | _ | | | | \perp | \perp | | ╙ | Ш | \bot | _ | | 105 | _ | L | L |
| \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ | <u> </u> | \$ | <u> </u> | | | | | | | Ш | _ | L | | \Box | 4 | _ _ | | ╀ | \perp | _ | 4 | <u> </u> | | _ | L | L |
| \$\begin{array}{c c c c c c c c c c c c c c c c c c c | | 1 | L | _ | | | _ | $ldsymbol{f eta}$ | _ | | _ | | | \perp | 4 | _ | +- | ╀ | \sqcup | 4 | _ | <u> </u> | | _ | <u> </u> | Ļ |
| 10 | <u> </u> | | L | L | <u> </u> | <u> </u> | _ | _ | <u> </u> | | 4 | _ | | \vdash | - | - | ┿ | ╀ | Н | - | 4 | <u> </u> | | ╀ | ⊢ | ╀ |
| 11 | ⊢ | | ┞ | L | \vdash | <u> </u> | ⊢ | <u> </u> | <u> </u> | \vdash | - | <u> </u> | | \vdash | | + | +- | ╀ | \vdash | \dashv | - | - | | ╀ | ├ | ⊦ |
| 112 113 114 115 115 116 1 116 1 116 1 117 1 118 118 119 119 120 120 120 120 121 121 122 122 132 133 133 133 133 133 133 133 133 133 133 133 133 133 133 133 133 133 133 134 134 135 136 136 136 136 136 138 139 139 140 141 141 144 145 148 | | | ┞ | - | \vdash | - | - | ⊢ | <u> </u> | \vdash | - | <u> </u> | | \vdash | -+ | + | + | ╁ | + | \dashv | -∤- | - | | ╀ | ₩ | ╀ |
| 13 | | | ├ | _ | - | ┝ | ⊢ | ⊢ | ⊢ | Н | - | - | | \vdash | \dashv | | ╁ | +- | + | \dashv | \dashv | \vdash | | ╁ | ⊢ | ╁ |
| 64 | <u> </u> | | ├ | - | - | | ├ | | | Н | \dashv | | | + | + | + | + | + | \vdash | -+ | \dashv | - | | ╁╴ | ⊢ | t |
| 15 | | | ┥ | | \vdash | | \vdash | \vdash | \vdash | Н | \dashv | | | \vdash | -+ | + | + | + | + | | ┨ | \vdash | 114 | ✝ | \vdash | t |
| 16 | | 15 | | | - | | ┢ | ┢ | ┢ | Н | \dashv | - | | | + | - | + | 十 | \vdash | \dashv | ┪ | | | T | 一 | t |
| 17 | | | Ť | | H | | ┪ | | - | Н | \dashv | | | | 7 | \dashv | + | ✝ | \vdash | \neg | _ | _ | | \vdash | \vdash | T |
| 18 19 68 118 119 20 70 120 120 21 71 121 121 22 73 122 123 24 74 124 124 25 75 125 126 27 77 125 126 27 77 128 127 28 78 129 129 30 80 130 131 31 81 131 131 32 82 132 132 33 83 133 133 34 84 134 134 35 85 135 135 36 86 136 136 37 87 137 137 38 88 139 139 40 90 140 140 41 91 144 142 43 93 143 144 44 94 144 <td></td> <td></td> <td>H</td> <td>_</td> <td></td> <td></td> <td></td> <td></td> <td>Т</td> <td></td> <td>ヿ</td> <td></td> <td></td> <td></td> <td></td> <td>$\neg \vdash$</td> <td>T</td> <td>1</td> <td>\vdash</td> <td>\neg</td> <td></td> <td></td> <td>117</td> <td>\top</td> <td>·</td> <td>T</td> | | | H | _ | | | | | Т | | ヿ | | | | | $\neg \vdash$ | T | 1 | \vdash | \neg | | | 117 | \top | · | T |
| 19 | | | H | | | i | | | Т | | \neg | | | | \top | | | | | | | | 118 | 1 | | Γ |
| 21 22 121 122 122 123 121 122 123 123 123 124 124 124 125 126 125 126 127 128 126 127 128 128 128 128 128 129 130 130 130 130 131 131 130 131 131 132 132 132 133 133 133 133 133 133 133 133 133 133 134 134 134 134 134 134 135 135 136 136 137 138 138 138 138 138 138 138 139 140 141 141 142 142 142 142 142 142 143 144 144 144 145 146 146 147 147 148 148 148 148 149 149 149 149 149 149 149 149 149 149 149 149 149 149 149 149 | | | П | | | | | · · | | | \neg | | | | | | | | | | 1 | | | | | Γ |
| 21 22 71 121 122 23 73 123 123 123 24 74 124 125 126 126 127 126 127 128 128 129 128 129 129 129 130 130 131 131 131 133 133 133 133 133 133 133 133 133 133 133 133 134 134 134 135 135 136 136 137 137 137 138 138 138 138 138 138 138 138 138 138 138 139 140 141 141 142 142 142 142 142 142 142 143 144 144 145 146 146 147 147 148 148 148 148 149 149 149 149 149 149 149 149 149 149 149 149 149 149 149 149 149 149 | | 20 | | | | | | | | | | | | | | | | | | | | 1 | | | L | L |
| 23 123 24 124 25 75 26 76 27 126 27 77 28 78 29 129 30 80 31 81 32 82 33 83 34 84 35 85 36 86 87 137 38 88 39 89 40 90 41 91 42 92 43 93 44 94 45 96 46 96 47 97 48 99 | | | | Ĺ | | | L | | | | | | | | | | \perp | | | \perp | _ | - | | \downarrow | 丄 | L |
| 24 74 124 25 126 125 26 76 126 27 77 127 28 79 129 30 80 130 31 81 131 32 82 132 33 83 133 34 84 134 35 85 135 36 86 136 37 87 137 38 88 138 39 90 140 40 90 140 41 91 141 42 92 142 43 93 143 44 94 95 46 96 146 47 97 148 48 98 148 49 99 149 | | | Ш | _ | _ | | L | 乚 | | Ш | _ | <u> </u> | | | 4 | \perp | \perp | ļ | \perp | _ | 4 | | | ↓_ | ╄ | Ļ |
| 25 125 126 27 126 127 28 77 128 29 129 129 30 80 130 31 81 131 32 82 132 33 83 133 34 84 134 35 85 135 36 86 136 37 87 137 38 88 138 39 90 140 41 91 141 42 92 142 43 93 143 44 94 94 144 45 96 146 46 96 146 47 97 149 | | | Ш | L | <u></u> | | <u> </u> | ㄴ | | Щ | _ | <u> </u> | | | 4 | \perp | \perp | _ | 1 | _ | 4 | - | | \vdash | ⊢ | ╀ |
| 26 76 77 126 127 28 77 78 128 129 30 80 130 131 131 131 31 81 132 132 132 132 133 133 134 134 134 134 134 134 135 135 135 136 137 138 138 138 138 138 139 139 139 139 139 139 140 141 141 141 142 143 143 144 144 145 145 146 145 146 147 147 148 149 | | | Н- | _ | _ | _ | <u> </u> | <u> </u> | _ | | _ | <u> </u> | | - | 4 | | + | +- | ┦ | \dashv | - | - | 124 | ┼ | ⊢ | ╀ |
| 27 127 28 77 30 128 30 129 30 129 30 130 31 32 33 82 33 131 34 83 35 85 36 86 37 87 38 88 39 89 40 90 41 91 42 93 43 94 44 94 45 96 46 96 47 97 48 98 49 99 | | | ₩ | H | | ⊢ | ┡ | - | - | \vdash | | | | \vdash | -+ | - | +- | +- | \vdash | + | \dashv | - | | ╀ | ╁ | ╀ |
| 28 78 128 129 129 | - | | ╂ | ⊢ | ├ | <u> </u> | ├- | \vdash | | Н | _ | - - | 77 | -+ | \dashv | + | + | + | | \dashv | \dashv | - | | ╁ | ╁╌ | ╁ |
| 29 1 30 31 31 81 32 131 33 82 33 133 34 84 35 85 36 86 37 88 39 88 40 90 41 91 42 92 43 93 44 94 45 96 46 97 48 98 49 148 49 99 | | | ╫ | - | - | - | ├ | ├─ | ⊢ | Н | \dashv | - | | \vdash | \dashv | -+- | + | + | + | \dashv | \dashv | - | | + | ╁ | t |
| 30 80 31 81 32 82 33 83 34 84 35 85 36 86 37 87 38 88 39 89 40 90 41 91 42 92 43 93 44 94 45 96 46 96 47 98 49 99 | | | H | ┢ | ┢ | ┢ | ╁ | ├ | - | Н | \dashv | _ | | \vdash | - | \dashv | + | + | +- | \dashv | ╡ | \vdash | 129 | + | \vdash | t |
| 31 81 32 82 33 83 34 84 35 85 36 86 37 87 38 88 39 89 40 90 41 91 42 92 43 93 44 94 45 95 46 96 47 97 48 98 49 99 | | | <u> </u> | | \vdash | - | ╁ | ╁ | - | Н | \dashv | - | | | \dashv | | +- | ╁╴ | + | \dashv | \dashv | | 130 | † | \vdash | t |
| 32 82 33 83 34 84 35 85 36 86 37 87 38 88 39 89 40 90 41 91 42 92 43 93 44 94 45 95 46 96 47 97 48 98 49 99 | | | | 1 | \vdash | \vdash | <u> </u> | ╁ | \vdash | | \dashv | | | H | 7 | \dashv | \top | ╈ | \top | | 1 | | | \top | 十 | T |
| 33 83 34 84 35 85 36 86 37 87 38 88 39 89 40 90 41 91 42 92 43 93 44 94 45 95 46 96 47 98 48 99 133 134 135 136 137 138 139 139 140 141 142 143 144 145 146 147 148 149 | | | | | | | ┢ | Г | Т | П | \neg | | | | ヿ | | \top | \top | | | | | 132 | 1 | Π | T |
| 35 85 135 36 86 136 37 87 137 38 88 138 39 89 139 40 90 140 41 91 141 42 92 142 43 93 143 44 94 144 45 95 145 46 96 146 47 97 147 48 98 148 49 99 149 | | | Т | - | | | | Ī | | П | \neg | | 83 | | \neg | \neg | 7 | 1 | | | | | 133 | | | Ι |
| 35 85 36 136 37 87 38 137 39 88 40 90 41 91 42 92 43 93 44 94 45 95 46 96 47 97 48 98 49 149 | | | | | | | | | | | | | | | \Box | \Box | \perp | | | | ╗. | | | | L | ↓ |
| 37 87 137 38 88 138 39 89 139 40 90 140 41 91 141 42 92 142 43 93 143 44 94 144 45 95 145 46 96 146 47 97 147 48 98 148 49 99 149 | | | | | | L | | L | L | | _ | | | | \perp | \perp | \perp | ┸ | | | | 1_ | 135 | \perp | 1 | ╀ |
| 38 88 39 90 40 91 41 91 42 92 43 93 44 94 45 95 46 96 47 97 48 98 49 99 | <u></u> | | L | _ | _ | L_ | L | <u> </u> | ┡ | Ш | _ | | | Ш | \perp | _ | \perp | ↓_ | | | _ | <u> </u> | | | \vdash | ļ |
| 39 89 40 90 41 91 42 92 43 93 44 94 45 95 46 96 47 97 48 98 49 99 | | | <u> </u> | _ | _ | <u> </u> | <u> </u> | <u> </u> | <u> _</u> | Ш | _ | _ | | \vdash | 4 | _ | + | + | - | _ | 4 | - | | | _ | ╀ |
| 40 90 41 91 42 92 43 93 44 94 45 95 46 96 47 97 48 98 49 99 | <u></u> | | ! — | \vdash | <u> </u> | \vdash | \vdash | <u> </u> | <u> </u> | Н | \dashv | _ | | $\vdash \vdash$ | \dashv | - | + | + | - | \dashv | \dashv | - | | | +- | + |
| 41 91 42 92 43 93 44 94 45 95 46 96 47 97 48 98 49 99 | - | - | ₩ | \vdash | - | \vdash | - | ├- | | \vdash | | | | $\vdash \vdash$ | | + | + | + | \vdash | -+ | \dashv | | | _ | ╁ | + |
| 42 92 43 93 44 94 45 95 46 96 47 97 48 98 49 99 | - | | ₩ | \vdash | \vdash | ├- | ⊢ | ┼ | H | \vdash | \dashv | - | | ┝┼ | \dashv | + | + | +- | - | $\vdash \vdash$ | \dashv | \vdash | | | +- | + |
| 43 93 44 94 45 95 46 96 47 97 48 98 49 99 | - | | ╁╌ | \vdash | \vdash | - | - | - | \vdash | H | \dashv | - | | $\vdash \vdash$ | \dashv | + | + | + | - | \dashv | \dashv | \vdash | | | † | † |
| 44 94 45 95 46 96 47 97 48 98 49 99 | \vdash | | ┢ | - | ╁ | | \vdash | \vdash | | | \dashv | — | | \vdash | \dashv | \dashv | + | + | \vdash | \dashv | \dashv | | 143 | +- | t^{-} | t |
| 45 95 46 96 47 97 48 98 49 99 | \vdash | | 1 | Н | H | \vdash | t | \vdash | t^- | H | \dashv | | | \vdash | + | \dashv | + | \top | \top | | \dashv | | | | | T |
| 46 | | | T | Τ | | T | 忊 | † | | П | \neg | | | \Box | _ | \dashv | 1 | \top | | | ヿ | | 145 | | Γ | T |
| 47 | | | T | Γ | \vdash | | T | Τ | \vdash | П | \neg | | 96 | П | \neg | \dashv | \top | 1 | | | | | 146 | | \Box | Ι |
| 48 98 49 99 | | 47 | Π | Γ | | Ī | | | | | | | 97 | | | _ | | | | | | | 147 | Т | $oxed{\Box}$ | Ι |
| | | 48 | | | | | | | | | | | 98 | | | | $oldsymbol{oldsymbol{oldsymbol{oldsymbol{\Box}}}$ | Ι | | | | | 148 | | L | I |
| | | 49 | | Ĺ | 匚 | \Box | \perp | \vdash | Ĺ | | _] | | | \Box | \Box | | \perp | Ļ | \perp | Ц | _ | \vdash | | | 1 | Ŧ |
| | L | 50 | 1_ | \perp | <u>L</u> | | L | | <u></u> | L | | | 100 | | | _1_ | 丄 | <u> </u> | | Ш | | L | 150 | 1 | 1 | L |

| Cla | | | | | Date | | | | | |
|--------------|--|--|--|--|--|--|----------------|----------------|--|----------|
| | | | | | | | | | | |
| <u> </u> | Original | | | | | | | | | |
| Final | je | | | | | | | | | - 1 |
| _ | 0 | | | | | | | | | ı |
| | 101 | \neg | | | _ | | | \vdash | | \dashv |
| | 101 102 | | | - | _ | | | - | | \dashv |
| | 103 | _ | _ | _ | | | _ | \vdash | \vdash | \dashv |
| | 103 | | | _ | - | | _ | \vdash | - | - |
| - | 104 105 106 | - | | | H | | - | - | \vdash | \dashv |
| | 105 | _ | | _ | \vdash | _ | _ | - | | |
| | 100 | _ | _ | _ | - | | | _ | | \dashv |
| | 107 108 | - | | _ | - | _ | _ | _ | - | \dashv |
| | 108 | | _ | _ | _ | | - | _ | Н | \dashv |
| | 109 | | | _ | | | L | | Ш | Ш |
| <u> </u> | 109 110 111 | | | L | _ | $oxed{oxed}$ | <u> </u> | _ | Щ | Ц |
| | 111 | | | L_ | lacksquare | $oxed{oxed}$ | _ | L | Ш | \Box |
| | 112 | _ | _ | _ | <u> </u> | L. | | <u> </u> | Ш | Щ |
| | 112 113 114 | | <u> </u> | _ | <u> </u> | L | _ | | Щ | |
| | 114 | | | | | | | _ | | |
| | 115 | | | | | | L | L | | |
| | 115 116 | | | L | | | L | | | |
| | 117 | | • | | | Γ | | | | |
| | 118 | | | | | \Box | | Г | | |
| | 118 119 | | | | Г | | | | | |
| | 120 121 122 | - | | | | T | Т | | | |
| | 121 | \vdash | | \vdash | \vdash | _ | \vdash | \vdash | \vdash | \vdash |
| | 122 | \vdash | - | ┢ | - | \vdash | | - | | Н |
| | 123 | \vdash | - | \vdash | \vdash | \vdash | ┢ | \vdash | \vdash | \vdash |
| | 123 124 125 126 127 128 129 130 | | \vdash | - | \vdash | ┢ | ┝ | - | - | \vdash |
| | 124 | - | ⊢ | ⊢ | ┢ | ⊢ | | - | H | |
| <u> </u> | 125 | ├ | ├ | \vdash | | ┢ | | \vdash | H | Н |
| | 120 | _ | | \vdash | - | \vdash | - | | \vdash | |
| | 127 | _ | ┝ | | - | - | _ | | - | |
| | 128 | _ | <u> </u> | ┞ | - | <u> </u> | | <u> </u> | ⊢ | Н |
| | 129 | _ | <u> </u> | <u> </u> | _ | _ | | _ | _ | Н |
| | 130 | _ | _ | _ | L | _ | <u> </u> | Ľ. | _ | Щ |
| | 131 | | <u> </u> | _ | L | L | <u> </u> | | | Ш |
| | 132 | | | <u></u> | L | _ | L | | | Ш |
| | 131 132 133 | $ldsymbol{ldsymbol{ldsymbol{ldsymbol{eta}}}$ | | L_ | $oxed{oxed}$ | | <u> </u> | | | Ш |
| | 134 | L | $oxedsymbol{oxed}$ | $oxed{\Box}$ | L | oxdot | $oxed{oxed}$ | | | |
| | 134 135 | | | | | | | | L | |
| | 136 | | | | | 匚 | | Ĺ | | |
| | 137 138 | | | | | | | | | |
| | 138 | | | Γ | | Γ | | Γ | Π | |
| | 139 | | | П | | | | | | П |
| | 140 | | | \vdash | | | | | | П |
| | 141 | Г | Г | Π | П | Π | Г | Γ | Г | П |
| | 142 | \vdash | | \Box | | | Г | | Π | П |
| | 143 | | \vdash | Т | T | \vdash | \vdash | <u> </u> | \vdash | М |
| | 144 | | | | | | \vdash | \vdash | \vdash | Н |
| | 145 | - | \vdash | \vdash | +- | - | \vdash | \vdash | | Н |
| | 146 | | \vdash | \vdash | - | | \vdash | +- | - | H |
| | 146 | - | | \vdash | ⊢ | \vdash | \vdash | — | \vdash | \vdash |
| | | - | ⊢ | ⊢ | | ⊢ | ├- | ⊢ | \vdash | |
| <u> </u> | 148 | <u> </u> | | ⊢ | ₩ | ┢ | ┞- | | - | \vdash |
| <u></u> | 149 | ! | ₩ | ├- | ₩ | ₩ | — | ├- | ₩ | _ |
| | 150 | | | <u></u> | Щ. | <u> </u> | 1 | <u> </u> | <u> </u> | L_ |